

Pain assessment for people with dementia: a systematic review of systematic reviews of pain assessment tools

# Literature Search

15 March 2013

This document contains details of the retrieval process for the meta-review “Pain assessment for people with dementia: a systematic review of systematic reviews of pain assessment tools”. The search strategy was first optimised for the OVID MEDLINE database and then adapted to be applied to other online databases.

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## Database searches

Date / time	Database	# records retrieved (including duplicates)	# records retrieved (excluding duplicates)
12 March 2013 11:12	MEDLINE (specifically: Ovid MEDLINE 1946 to February Week 4 2013)	209	208
12 March 2013 11:22	Ovid MEDLINE In-Process & Other Non-Indexed Citations March 11, 2013	0	0
12 March 2013 11:14	All EBM Reviews - Cochrane DSR, ACP Journal Club, DARE, CCTR, CMR, HTA, and NHSEED	68	67
12 March 2013 12:05	Embase (1996 to 2013 Week 10)	74	73
12 March 2013 12:22	PsycINFO (1806 to March Week 1 2013)	68	0
12 March 2013 13:40	CINHAL	78	0
12 March 2013 14:15	The Joanna Briggs Institute (JBI) Library - The JBI Database of Systematic Reviews and Implementation Reports <sup>1</sup>	6	0
12 March 2013 14:49	Centre for Reviews and Dissemination database <sup>2</sup>	5	0
		Tot: 508	441 <sup>3</sup>

<sup>1</sup> <http://www.joannabriggslibrary.org/index.php/jbisrir/search/results>

<sup>2</sup> <http://www.crd.york.ac.uk/crdweb/SearchPage.asp>

<sup>3</sup> 67 duplicates – i.e. 11 records retrieved in 2 or more databases

## Database-specific search strategies – adjustments to Medline baseline search

Database	Strategy
MEDLINE	(terms optimised for this database; baseline for other searches)
Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations	Same as MEDLINE
All EBM Reviews - Cochrane DSR, ACP Journal Club, DARE, CCTR, CMR, HTA, and NHSEED	Modified MEDLINE : removed the following terms: *Pain Measurement/mt exp *Pain Measurement/ (symbols not recognised by the database; retrieved 0 items)
Embase	Modified MEDLINE : removed the following terms: [exp Pain/di]*Pain Measurement/mt meta-analysis.pt. AND limited with search to max precision (study design criterion: systematic review)
PsycINFO	Modified MEDLINE : removed the following terms: exp Cognition Disorders/ [exp Pain/di] [*Pain Measurement/mt] meta-analysis.pt. review.pt. Added the following term (to compensate for review.pt. now removed from the strategy): review.mp

<p>CINHAL (Cumulative Index to Nursing &amp; Allied Health Literature)<sup>4</sup></p>	<p>Modified MEDLINE, with the following changes:</p> <p>exp Dementia/ modified as: MW Dementia [word in subject heading]</p> <p>exp Alzheimer Disease/ removed (not recognised as subject heading)</p> <p>Cognition Disorders/ modified as: Cognition Disorder* [all text]</p> <p>exp mental retardation/ modified as: mental retardation [word in subject heading]</p> <p>Assess\$ adj5 pain Changed to Assess* N5 pain</p> <p>Measur\$ adj5 pain Changed to Measur* N5 pain</p> <p>Scale\$ adj5 pain Changed to Scale* N5 pain</p> <p>Rating adj5 pain Changed to Rating N5 pain</p> <p>exp Pain Measurement/ modified as: MW Pain Measurement [word in subject heading]</p> <p>exp Pain/di modified as: MW Pain Diagnosis [word in subject heading]</p> <p>*Pain Measurement/mt removed</p> <p>exp *Pain Measurement/ removed</p> <p>Pain adj3 tool\$ Changed to Pain N3 tool*</p>
<p>The Joanna Briggs Institute (JBI) Library - The JBI Database of Systematic Reviews and Implementation Reports<sup>5</sup></p>	<p>Simple search for pain and (dementia or cognitive impairment)</p>
<p>Centre for Reviews and Dissemination database<sup>6</sup></p>	<p>Simplified search</p>

<sup>4</sup> Available via EBSCO at: <http://web.ebscohost.com/ehost/search/advanced?sid=86a5a873-04e4-44fa-9084-2b30aae017c5%40sessionmgr14&vid=2&hid=21>

<sup>5</sup> <http://www.joannabriggslibrary.org/index.php/jbisrir/search/results>

<sup>6</sup> <http://www.crd.york.ac.uk/crdweb/SearchPage.asp>

## Search strategies:

Medline	<ol style="list-style-type: none"> <li>1. Dementia.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept, rare disease supplementary concept, unique identifier]</li> <li>2. Alzheimer.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept, rare disease supplementary concept, unique identifier]</li> <li>3. exp Dementia/</li> <li>4. exp Alzheimer Disease/</li> <li>5. 1 or 2 or 3 or 4</li> <li>6. exp Cognition Disorders/</li> <li>7. Cognitive impairment.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept, rare disease supplementary concept, unique identifier]</li> <li>8. Cognitive function*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept, rare disease supplementary concept, unique identifier]</li> <li>9. exp mental retardation/</li> <li>10. 6 or 7 or 8 or 9</li> <li>11. 5 or 10</li> <li>12. (Assess\$ adj5 pain).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept, rare disease supplementary concept, unique identifier]</li> <li>13. (Measur\$ adj5 pain).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept, rare disease supplementary concept, unique identifier]</li> <li>14. (Scale\$ adj5 pain).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept, rare disease supplementary concept, unique identifier]</li> <li>15. (Rating adj5 pain).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept, rare disease supplementary concept, unique identifier]</li> <li>16. exp Pain Measurement/</li> <li>17. exp Pain/di</li> <li>18. *Pain Measurement/mt</li> <li>19. exp *Pain Measurement/</li> </ol>
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	<p>20. (Pain adj3 tool\$).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept, rare disease supplementary concept, unique identifier]</p> <p>21. 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20</p> <p>22. 11 and 21</p> <p>23. meta-analysis.mp.</p> <p>24. meta-analysis.pt.</p> <p>25. review.pt.</p> <p>26. search:.tw.</p> <p>27. 23 or 24 or 25 or 26</p> <p>28. 22 and 27</p>
<p>All EBM Reviews</p>	<p>1. Dementia.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>2. Alzheimer.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>3. exp Dementia/</p> <p>4. exp Alzheimer Disease/</p> <p>5. 1 or 2 or 3 or 4</p> <p>6. exp Cognition Disorders/</p> <p>7. Cognitive impairment.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>8. Cognitive function*.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>9. exp mental retardation/</p> <p>10. 6 or 7 or 8 or 9</p> <p>11. 5 or 10</p> <p>12. (Assess\$ adj5 pain).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>13. (Measur\$ adj5 pain).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>14. (Scale\$ adj5 pain).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>15. (Rating adj5 pain).mp. [mp=title, abstract, subject headings, heading word, drug</p>

	<p>trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>16. exp Pain Measurement/</p> <p>17. exp Pain/di</p> <p>18. (Pain adj3 tool\$).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>19. 12 or 13 or 14 or 15 or 16 or 17 or 18</p> <p>20. 11 and 19</p> <p>21. meta-analysis.mp.</p> <p>22. meta-analysis.pt.</p> <p>23. review.pt.</p> <p>24. search:.tw.</p> <p>25. 21 or 22 or 23 or 24</p> <p>26. 20 and 25</p>
EMBASE	<p>1. Dementia.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>2. Alzheimer.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>3. exp Dementia/</p> <p>4. exp Alzheimer Disease/</p> <p>5. 1 or 2 or 3 or 4</p> <p>6. exp Cognition Disorders/</p> <p>7. Cognitive impairment.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>8. Cognitive function*.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>9. exp mental retardation/</p> <p>10. 6 or 7 or 8 or 9</p> <p>11. (Assess\$ adj5 pain).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>12. (Measure\$ adj5 pain).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>13. (Scale\$ adj5 pain).mp. [mp=title, abstract, subject headings, heading word, drug</p>

	<p>trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>14. (Rating adj5 pain).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>15. exp Pain Measurement/</p> <p>16. exp Pain/di</p> <p>17. 11 or 12 or 13 or 14 or 15 or 16</p> <p>18. (Pain adj3 tool).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]</p> <p>19. exp *Pain Measurement/</p> <p>20. 18 or 19</p> <p>21. Cochrane database of systematic reviews.jn.</p> <p>22. Search.tw.</p> <p>23. Medline.tw.</p> <p>24. Systematic review.tw.</p> <p>25. 21 or 22 or 23 or 24</p> <p>26. 5 or 10</p> <p>27. 17 or 20</p> <p>28. 25 and 26 and 27</p>
PsycINFO	<p>1. Dementia.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures]</p> <p>2. Alzheimer.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures]</p> <p>3. exp Dementia/</p> <p>4. exp Alzheimer Disease/</p> <p>5. 1 or 2 or 3 or 4</p> <p>6. Cognitive impairment.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures]</p> <p>7. Cognitive function*.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures]</p> <p>8. exp mental retardation/</p> <p>9. 6 or 7 or 8</p> <p>10. 5 or 9</p> <p>11. (Assess\$ adj5 pain).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures]</p> <p>12. (Measur\$ adj5 pain).mp. [mp=title, abstract, heading word, table of contents, key</p>

	<p>concepts, original title, tests &amp; measures]</p> <p>13. (Scale\$ adj5 pain).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures]</p> <p>14. (Rating adj5 pain).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures]</p> <p>15. exp Pain Measurement/</p> <p>16. exp *Pain Measurement/</p> <p>17. (Pain adj3 tool\$).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures]</p> <p>18. 11 or 12 or 13 or 14 or 15 or 16 or 17</p> <p>19. 10 and 18</p> <p>20. meta-analysis.mp.</p> <p>21. review.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &amp; measures]</p> <p>22. search:.tw.</p> <p>23. 20 or 21 or 22</p> <p>24. 19 and 23</p>
CINHAL	<ol style="list-style-type: none"> <li>1. AB meta-analysis</li> <li>2. PT review</li> <li>3. AB search*</li> <li>4. PT systematic review</li> <li>5. 1 or 2 or 3 or 4</li> <li>6. TX Cognition Disorder*</li> <li>7. TX Cognitive impairment</li> <li>8. TX Cognitive function*</li> <li>9. MW mental retardation</li> <li>10. 6 OR 7 OR 8 OR 9</li> <li>11. Dementia</li> <li>12. Alzheimer</li> <li>13. MW Dementia</li> <li>14. 11 OR 12 OR 13</li> <li>15. Assess* N5 pain</li> <li>16. Measur* N5 pain</li> <li>17. Scale* N5 pain</li> <li>18. Rating N5 pain</li> <li>19. MW Pain Measurement</li> <li>20. MW pain diagnosis</li> </ol>

	<p>21. TX Pain N3 tool*</p> <p>22. 15 OR 16 OR 17 OR 18 OR 19 OR 20 OR 21</p> <p>23. 10 OR 14</p> <p>24. 23 AND 22 AND 5</p>
<p>The JBI Database of Systematic Reviews and Implementation Reports</p>	<p>"pain assessment" and (dementia or "cognitive impairment")</p>
<p>Centre for Reviews and Dissemination database<sup>7</sup></p>	<p>1. dementia</p> <p>2. cognitive impairment</p> <p>3. 1 OR 2</p> <p>4. pain NEAR5 (assess* or measur*)</p> <p>5. pain near5 tool*</p> <p>6. 4 OR 5</p> <p>7. 3 AND 6</p> <p>(limited to record type : systematic review)</p>

<sup>7</sup> <http://www.crd.york.ac.uk/crdweb/SearchPage.asp>